

REPOSITORY PNNL
 COLLECTION Marshall Islands
 BOX No. 5685
 FOLDER Soil Imp Data

PLUTONIUM (Pu-238+239+240)
SOIL DATA, ISLAND: FNJEBI (JANET)
 R 409842

LOCATION/COMPOSITE	0cm (SURFACE)		10 cm		20 cm	
	pCi/g Pu	% of 0 cm	pCi/g Pu	% of 0 cm	pCi/g Pu	% of 0 cm
NE14-2 A	19.34		14.02	72.5	13.03	67.4
NE14-2 B	29.45		16.62	56.4	19.12	64.9
NE14-10 A	1.66		3.02	181.9	2.26	136.1
NE14-10 B	7.54		4.19	55.6	4.33	57.4
SW 2-8 A	31.29					
SW 2-8 B	28.0					
SW 4-14 A	2.35					
SW 4-14 B	3.11					
SE 4-22 A	2.33		4.1	176.0	3.45	148.1
SE 4-22 B	3.13		2.69	85.9	2.93	93.6
SE 6-1 A	52.39		14.44	27.6	7.78	14.6
SE 6-1 B	44.54		9.82	22.0	7.08	15.9
SE 6-8 A	16.26		11.21	68.9	10.0	61.5
SE 6-8 B	16.90		23.13	136.9	17.03 ^(?)	100.8
SE 6-14 A	23.88		21.04	88.1	12.54	53.8
SE 6-14 B	25.05		12.06	48.1	11.83	47.2
SE 12-14 A	7.57		2.64	34.9	4.97	65.7
SE 12-14 B	9.30		6.66	71.6	6.37	68.5
SE 14-6 A	7.18		5.67	79.0	11.21	156.1
SE 14-6 B	7.15		11.21	156.8	1.9	26.6
NW 2-14 A	31.9		46.34	145.3	4.79	15.0
NW 2-14 B	56.0		14.56	26.0	5.65	10.1
NW 6-8 A	14.0		8.79	62.8	7.62	54.4
NW 6-8 B	4.88		8.61	176.4	5.01	102.7
NE 2-8 A	3.53		2.09	59.2	1.93	54.7
NE 2-8 B	3.69		2.79	75.6	3.08	83.5
NE 6-16 A	35.53		7.0	19.7	5.14	14.5
NE 6-16 B	36.51		17.11	46.9	5.19	22.4
NE 6-24 A	11.7		5.58	47.7	6.25	53.4
NE 6-24 B	38.3		20.11	52.5	19.31	50.4

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 Reviewed by: *[Signature]* Date: 4/29/97

? = data value is questionable

PLUTONIUM SOIL DATA, ISLAND: JANET (ENTEBI)
 (Pu-238, 239, 240)

LOCATION/COMPOSITE	0 cm (SURFACE)		10 cm		20 cm	
	Pu/g Pu	% of 0 cm	Pu/g Pu	% of 0 cm	Pu/g Pu	% of 0 cm
NE 10-8 A	48.99		22.16	45.2	17.93	36.6
NE 10-8 B	33.4		21.12	63.2	16.03	48.0
NE 10-22 A	35.76		18.54	51.8	18.53	51.8
NE 10-22 B	34.17		18.59	54.4	9.69	28.4
NW 29-7 A	6.69		6.42	96.0	5.11	76.4
NW 29-7 B	6.19		8.02	129.6	8.67	140.1
NW 21-7 A	11.35		17.4	152.2	8.05	70.9
NW 21-7 B	10.57		8.25	78.1	11.0	104.1
WB 22-0 A	4.04		12.36	305.9	13.58	336.1
WB 22-0 B	15.69		11.6	73.9	11.89	75.8
SW 14-2 A	8.7					
SW 14-2 B	11.08					
NW 14-8 A	16.93		6.11	36.1	4.23	25.0
NW 14-8 B	20.38		8.03	39.4	6.89	33.8
EB 10-0 A	52.06					
EB 10-0 B	31.45					
EB 2-0 A	8.45					
EB 2-0 B	9.41					
WB 6-0 A	10.43					
WB 6-0 B	8.04					
NE 14-18 A	6.9		8.76	127.0	12.23	177.2
NE 14-18 B	8.11		7.65	94.3	10.82	133.4
SE 12-24 A	31.45		15.34	48.8	10.13	32.2
SE 12-24 B	21.12		6.94	32.9	6.37	30.2
SE 12-30 A	4.58		7.13	155.7	4.51	98.5
SE 12-30 B	6.89		12.63	183.3	9.74	141.4
SW 10-6 A	2.71		2.27	83.8	2.45	90.4
SW 10-6 B	3.36		2.11	62.8	1.5	44.6

(Pu-238, 239, 240)

PLUTONIUM SOIL DATA, ISLAND: PEARL (LUTOR)

LOCATION/COMPOSITE	0 cm (SURFACE)		10 cm		20 cm	
	PC/g Pu		PC/g Pu	% of 0 cm	PC/g Pu	% of 0 cm
9-S-2	A	20.43	6.01	29.4	4.69	23.0
	B	21.89	15.33	70.0	5.86	26.5
11-S-5	A	11.36	9.24	81.3	4.49	39.5
	B	8.83	10.3	116.6	2.38	27.0
5-N-1 (160°)	A	55.8	4.07	7.3	3.28	5.9
	B	110.0	24.39	22.2	23.42	21.3
5-N-1 (resample at 150°)	A	104.7	6.92	6.6	21.38	20.4
	B	117.1	13.58	11.6	8.04	6.9
5-S-3 (250°)	A	262.4	205.4	78.3	56.5	21.5
	B	350	102.6	29.3	225.8	64.5
5-S-3 [LOCATION NOT EXACT] (resample off the road, at 270°)	A	251.4	61.3	24.4	97.0	38.6
	B	589.0	97.6	16.6	64.7	11.0
1-S-1 (280°)	A	198.4	23.71	12.0	3.46	1.7
	B	80.6	146.3	181.5	93.0	115.4
1-S-1 (resample at 300°)	A	142.1	7.74	5.4	17.11	12.0
	B	90.8	47.9	52.8	36.6	40.3
8-B-0	A	60.1	36.81	61.2	21.58	35.9
	B	160.7	78.4	48.8	44.3	27.6
1-N-1	A	212.9	77.9	36.6	59.6	28.0
	B	261.9	256.8	98.1	217.9	83.2
3-S-1	A	258.8	110.0	42.5	83.5	32.3
	B	39.1	18.18	46.5	17.72	45.3
5,5-S-3	A	551.0	172.7	31.3	169.1	30.7
	B	541.0	71.5	13.2	88.0	16.3
6-S-1	A	117.3	24.59	21.0	8.95	7.6
	B	101.1	23.09	22.8	23.16	22.9
8-S-4	A	12.9	7.91	61.3	5.83	45.2
	B	11.05	5.1	46.2	5.08	46.0

(Pu-238, 239, 240)

PLUTONIUM SOIL DATA, ISLAND: SALLY (AOMOK)

(Includes only data taken before the pilot soil removal project)

LOCATION/COMPOSITE	0cm (SURFACE)		10 cm		20 cm	
	pCi/g Pu	pCi/g Pu	% of 0 cm	pCi/g Pu	% of 0 cm	
26-N-12	A	432.5	55.08	12.7	93.72	21.7
	B	480.9	90.43	18.8	39.91	8.3
28-S-2	A	4.22	2.79	66.1	1.77	41.9
	B	17.75	3.84	49.5	1.54	19.9
14-S-10	A	23.54	58.07	246.7	17.95	76.3
	B	48.98	17.3	35.3	3.59	7.3
24-N-10	A	1.08	0.76	70.4	-	-
	B	4.11	-	-	-	-
2-N-2	A	0.25	0.71	253.6	0.18	64.3
	B	0.25	0.15	60.0	0.13	52.0
12-S-4	A	0.25	0.07	28.0	0.1	40.0
	B	0.15	0.08	53.3	0.06	40.0
14-S-8	A	0.13	0.07	53.8	0.09	69.2
	B	0.08	0.05	62.5	0.08	100.0
18-N-4	A	3.33	1.6	48.0	1.43	42.9
	B	4.81	3.59	74.6	2.9	60.3
20-S-4	A	2.35	0.97	41.3	0.75	31.9
	B	0.86	0.87	101.2	1.17	136.0